BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work :Detailed Estimate For the Work of Construction to Roads and drains at Attur Village and Surrounding areas in ward no-03.

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Civil Work								
1	KSRRB 300-3. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil invoiving , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification MORTH/ Chapter 3. Page No. 142/ Item No. 19.1/ PWD SR 2018-19								
	For ssm Wall								
	Kaivara Yogi Narayana Temple								
		1	37.90	1.00	1.00	37.90			
	Eshwara Temple								
		1	90.00	1.00	1.00	90.00			
	Kalikamba Veerabadra Swamy Temple								
	Compound wall	1	7.90	1.20	1.00	9.48			
	For Rcc Drain								
	Atturu Village Surrounding								
	Cross-1	1	25.20	1.10	1.00	27.72			
		1	13.25	1.10	1.00	14.58			
	Cross-2	1	16.30	1.10	1.00	17.93			
	Ambabhavani temple	1	13.00	1.10	0.90	12.87			
		1	30.00	1.00	1.00	30.00			
	For CC Road								
	Near Atturu village Anganavadi	1	40.00	6.00	0.30	72.00			
	Kalikamba Veerabadra Swamy Temple Surrounding	1	20.00	10.00	0.30	60.00			
		1	15.40	7.00	0.30	32.34			
		1	6.00	3.20	0.30	5.76			
		1	13.00	7.50	0.30	29.25			
	Kaivara Yogi Narayana Temple								
	Entrance	1	23.00	25.00	0.30	172.50			
	Temple Surrounding	1	30.00	33.00	0.30	297.00			
						909.33	**Cum**	**207.60**	**188775.87**
	Basic Rate	130.00							
	Loading and Unloading	57.00							
	Lead for 5 km	12.80							
	Area Weightage 6%	7.80							
	Grand Total	**207.60**							
2	KSRRB M2100-10. Providing and laying **Plain cement concrete of mix 1:3:6** with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18)								
	For ssm Wall								
	Kaivara Yogi Narayana Temple								
		1	37.90	1.00	0.15	5.69			
	Eshwara Temple								
		1	90.00	1.00	0.15	13.50			
	Kalikamba Veerabadra Swamy Temple								
	Compound wall	1	7.90	1.10	0.15	1.30			
	For Rcc Drain								
	Atturu Village Surrounding	1	25.20	1.10	0.15	4.16			
		1	13.25	1.10	0.15	2.19			
		1	16.30	1.10	0.15	2.69			

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l No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
		1	13.00	1.00	0.15	1.95			
	For CC Road								
	Near Atturu village Anganavadi	1	40.00	6.00	0.15	36.00			
	Kalikamba Veerabadra Swamy Temple Surrounding	1	20.00	10.00	0.15	30.00			
		1	15.40	7.00	0.15	16.17			
		1	6.00	3.20	0.15	2.88			
		1	13.00	7.50	0.15	14.63			
	Kaivara Yogi Narayana Temple								
	Entrance	1	23.00	25.00	0.15	86.25			
		1	30.00	33.00	0.15	148.50			
						365.90	**Cum**	**5421.90**	**1983858.30**
	Basic Rate	5115.00							
	Area Weightage 6%	306.90							
	Grand Total	**5421.90**							
3	Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6								
	For ssm Wall								
	Below GL								
	Kaivara Yogi Narayana Temple								
		1	37.90	0.90	0.80	27.29			
	Eshwara Temple								
		1	90.00	0.90	0.75	60.75			
	Above GL								
	Kaivara Yogi Narayana Temple	1	30.00	0.65	0.75	14.63			
		1	7.90	0.50	0.80	3.16			
	Eshwara Temple	1	90.00	0.60	0.75	40.50			
						146.32	**Cum**	**4871.76**	**712850.54**
	Basic Rate	4596.00							
	Area Weightage 6%	275.76							
	Grand Total	**4871.76**							
4	Providing ruled pointing to coursed stone masonry with cement mortar, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. – do – cement mortar 1:3 (P.No-255,I No-27.34.8.2)								
	Kaivara Yogi Narayana Temple	1	30.00		0.75	22.50			
	Eshwara Temple	1	75.00		0.75	56.25			
						78.75	**Cum**	**150.52**	**11853.45**
	Basic Rate	142.00							
	Area Weightage 6%	8.52							
	Grand Total	**150.52**							
5	KSRB 5-11 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 (page No.113, Item No.5.26.2 pwd 16-17)								
	Kalikamba Veerabadra Swamy Temple beside								
		1	7.90		1.78	14.06			
						14.06	**Sqm**	**979.56**	**13774.57**
	Basic Rate	907.00							
	Area Weightage 8%	72.56							
	Grand Total	**979.56**							
6	Providing 18mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering: providing and removing scaffolding, including cost of materials labour curing complete as per specifications (page No.113, Item No.15.15 pwd 16-17)								
	Eshwara Temple								
	East side								
		2	0.31		0.28	0.17			

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I No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
		2	0.30		0.48	0.29			
		2	0.29		0.68	0.39			
		2	0.37		0.87	0.64			
	West side								
		2	0.30		0.18	0.11			
		2	0.31		0.42	0.26			
		2	0.30		0.64	0.38			
		2	0.47		0.85	0.80			
	Kalikamba Veerabadra Swamy Temple beside	2	7.90		1.78	28.12			
						31.18	Sqm	263.52	8215.29
	Basic Rate	244.00							
	Area Weightage 8%	19.52							
	Grand Total	**263.52**							
7	Providing and laying **plain/reinforced cement concrete** for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specificationsdo- Wall & bottom thickness 15cm (I No-37.59.2,P No-271)								
	For Drain Raft								
	Atturu Village Surrounding	1	25.20	0.90	0.15	3.40			
		1	13.25	0.90	0.15	1.79			
		1	16.30	0.90	0.15	2.20			
		1	13.00	0.90	0.15	1.76			
	For Wall								
	Atturu Village Surrounding	2	25.20	0.15	0.65	4.91			
		2	13.25	0.15	0.65	2.58			
		2	16.30	0.15	0.65	3.18			
		2	13.00	0.15	0.65	2.54			
						22.36	Cum	7070.20	158072.00
	Basic Rate	6670.00							
	Area Weightage 6%	400.20							
	Grand Total	**7070.20**							
8	KSRRB M2100-17.2. Plain / Reinforced Cement Concrete design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregates @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008,Open Foundation complete as per Drawing and Technical Specification Including Cost of all materials,labour,HOM curing, form works, scaffolding and centring complete specification as per Specifications Morth Specification No.1500,1700 & 2100 (Page No.223/ Item No. 27.31/ PWD SR 2018-19)								
	For ssm Wall								
	Above GL								
	Kaivara Yogi Narayana Temple	1	30.00	0.65	0.15	2.93			
		1	7.90	0.50	0.10	0.40			
	Eshwara Temple	1	80.00	0.60	0.15	7.20			
		1	10.00	0.60	0.10	0.60			
						11.12	Cum	5294.70	58877.06
	Basic Rate	4995.00							
	Area Weightage 6%	299.70							
	Grand Total	**5294.70**							
9	KSRB 4.9.2 : **Providing T.M.T steel reinforcement** for R.C.C workincluding straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary complete asper design (laps, hooks and wastage shall not be measured and paid)cost of materials, labour, HOM of machinery complete as perspecifications.Specification No. KBS 4.6.3 (I No-4.46.2,P No-18)								
	Consider 65kg/Cum for drain	1	22.36	65.00		1453.24			
						1.45	Tn	72326.98	105108.28

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No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Basic Rate	68233.00							
	Area Weightage 6%	4093.98							
	Grand Total	**72326.98**							
10	Providing & laying precast drain cover slab of 100 mm thickness in CM 1:3 including cost of all materials, labour, curing, transportation, loading, unloading etc, complete as per the directions of the Engineer In Charge. **Data rate**								
	For new rcc drain								
	Atturu Village Surrounding	1	25.20	0.90		22.68			
		1	13.25	0.90		11.93			
		1	16.30	0.90		14.67			
		1	13.00	0.90		11.70			
						60.98	**Sqm**	**2337.00**	**142498.58**
	Basic Rate	**2337.00**							
11	Providing and laying reinforced cement concrete pipe NP2 for culverts including pointing ends, and fixing collars with cement mortar 1:2 including cost of all materials, labour, curing complete as per specifications. Specifications. No. KSRB 1000, 2300 MOST Specification No.1000 / 2300 - -250mm dia (Page No.255, Item No.34.7.2)PW,P&IWTD SR 2018-19)								
	Atturu Village	1	16.00			16.00			
						16.00	**Sqm**	**559.68**	**8954.88**
	Basic Rate	528.00							
	Area Weightage 6%	31.68							
	Grand Total	**559.68**							
12	Providing and fixing M.S. Gate as per Chief Architect Drawing, using 50mm x 50mm 14 guage M.S. hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16 x 16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members asshown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges, etc., complete as per specifiocation. (P. No. 43 / I. No. 7.37 of PWD 2016-17)								
	Gate	1	1.80		2.10	3.78			
		1	2.40		2.10	5.04			
						8.82	**Sqm**	**3168.72**	**27948.11**
	Basic Rate	2934.00							
	Area Weightage 8%	234.72							
	Grand Total	**3168.72**							
13	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No. 202 (Page No-140 Item no - 18.47 of KPWD SR 2018-19)								
	For CC Road								
	Near Atturu village Anganavadi	1	40.00	6.00	0.15	36.00			
	Kalikamba Veerabadra Swamy Temple Surrounding	1	20.00	10.00	0.15	30.00			
		1	15.40	7.00	0.15	16.17			
	Kaivara Yogi Narayana Temple								
	Entrance	1	20.00	15.00	0.15	45.00			
	Temple Surrounding	1	25.00	17.00	0.15	63.75			
						190.92	**Cum**	**952.94**	**181935.30**
	Basic Rate	899.00							
	Area Weightage 6%	53.94							
	Grand Total	**952.94**							

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l No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
14	KSRRB 300-Compaction KSRRB 300-58. **Compaction of original ground** with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications.(P.No. 147, I.No. 19.64)								
	For CC Road								
	Near Atturu village Anganavadi	1	40.00	6.00		240.00			
	Kalikamba Veerabadra Swamy Temple Surrounding	1	20.00	10.00		200.00			
		1	15.40	7.00		107.80			
		1	6.00	3.20		19.20			
		1	13.00	7.50		97.50			
	Kaivara Yogi Narayana Temple								
	Entrance	1	23.00	25.00		575.00			
	Temple Surrounding	1	30.00	33.00		990.00			
						2229.50	**Sqm**	**6.36**	**14179.62**
	Basic Rate	6.00							
	Area Weightage 6%	0.36							
	Grand Total	**6.36**							
15	KSRRB M300- Construction of Embankment with Material Gravel/ Murrum. KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Specification No. 305								
	CC Road								
	Earth filling	1	30.00	2.50	1.00	75.00			
		1	15.00	1.00	1.00	15.00			
	Kaivara Yogi Narayana Temple								
	Circle1	1	3.14	0.67	0.75	1.58			
	Circle2	1	3.14	3.10	0.75	7.29			
		1	3.05	3.05	0.75	6.98			
	temple	1	5.15	8.85	0.75	34.18			
		1	16.35	5.80	0.75	71.12			
		1	12.00	12.00	0.75	108.00			
		1	7.00	7.00	0.75	36.75			
	Near Temple								
		1	20.00	14.70	0.65	191.10			
						547.01	**Cum**	**344.50**	**188445.24**
	Basic Rate	325.00							
	Area Weightage 6%	19.50							
	Grand Total	**344.50**							
16	KSRRB M400- Wet Mix Macadam KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 (Page No. 155.tem No.20.18,PW,P & IWTD SR 2018-19)								
	For CC Road								
	Near Atturu village Anganavadi	1	40.00	6.00	0.15	36.00			
	Kalikamba Veerabadra Swamy Temple Surrounding	1	15.00	12.00	0.15	27.00			
		1	5.00	5.00	0.10	2.50			
		1	15.40	7.00	0.15	16.17			
		1	6.00	3.20	0.15	2.88			
		1	13.00	7.50	0.15	14.63			
	Kaivara Yogi Narayana Temple								
	Entrance	1	23.00	25.00	0.15	86.25			

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No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Temple Surrounding	1	30.00	33.00	0.15	148.50			
	Basic Rate	1888.00				333.93	Cum	2001.28	668277.42
	Area Weightage 6%	113.28							
	Grand Total	2001.28							
17	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. - M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum) (Page No. 175.tem No.22.6.1,PW,P & IWTD SR 2018-19)								
	For CC Road								
	Near Atturu village Anganavadi	1	40.00	6.00	0.15	36.00			
	Kalikamba Veerabadra Swamy Temple Surrounding	1	20.00	10.00	0.15	30.00			
		1	15.40	7.00	0.15	16.17			
		1	6.00	3.20	0.15	2.88			
		1	13.00	7.50	0.15	14.63			
	Kaivara Yogi Narayana Temple								
	Entrance	1	23.00	25.00	0.15	86.25			
	Temple Surrounding	1	30.00	33.00	0.15	148.50			
						334.43	Cum	5210.96	1742675.30
	Basic Rate	4916.00							
	Area Weightage 6%	294.96							
	Grand Total	5210.96							
18	Vaccum de-watering with **vaccum pump** and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift.								
	For CC Road								
	Near Atturu village Anganavadi	1	40.00	6.00		240.00			
	Kalikamba Veerabadra Swamy Temple Surrounding	1	20.00	10.00		200.00			
		1	15.40	7.00		107.80			
		1	6.00	3.20		19.20			
		1	13.00	7.50		97.50			
	Kaivara Yogi Narayana Temple								
	Entrance	1	23.00	25.00		575.00			
	Temple Surrounding	1	30.00	33.00		990.00			
						2229.50	Sqm	72.08	160702.36
	Basic Rate	68.00							
	Area Weightage 6%	4.08							
	Grand Total	72.08							
								Total Construction Cost	6377002.17
								GST Charges 12%	765240.26
								Sub Total	7142242.43
								KRIDL Charges 4%	285689.70
								Towords PMC cost	71422.42

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Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Utility Shifting,Miscellaneous and Rounding off								1264.49
	GRAND TOTAL								7500000.00

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2016-2017.and Data Rates

Assistant Engineer

Asst. Executive Engineer,
Yelahanka Satellite town Sub division,Dasrahalli
Bangalore-64

Executive Engineer
Yelahanka Division
Bangalore-64

Administrative Sanction for Rs. 7500000=00
Seventy Five Thousand
Rupees only
is accorded under head P-1878-
2018-19

Registered as CE No. ..... Subject
to conditions contained in enclosed memo
No. CE/YNK/AS/ /18-19 Dt.

Technical Sanction
Accorded For Rs 75 Lakhs only
Head of A/C P.1878
CER NO: TS/156/2015 Dt: 07.12.18

TA, CE (YNK)

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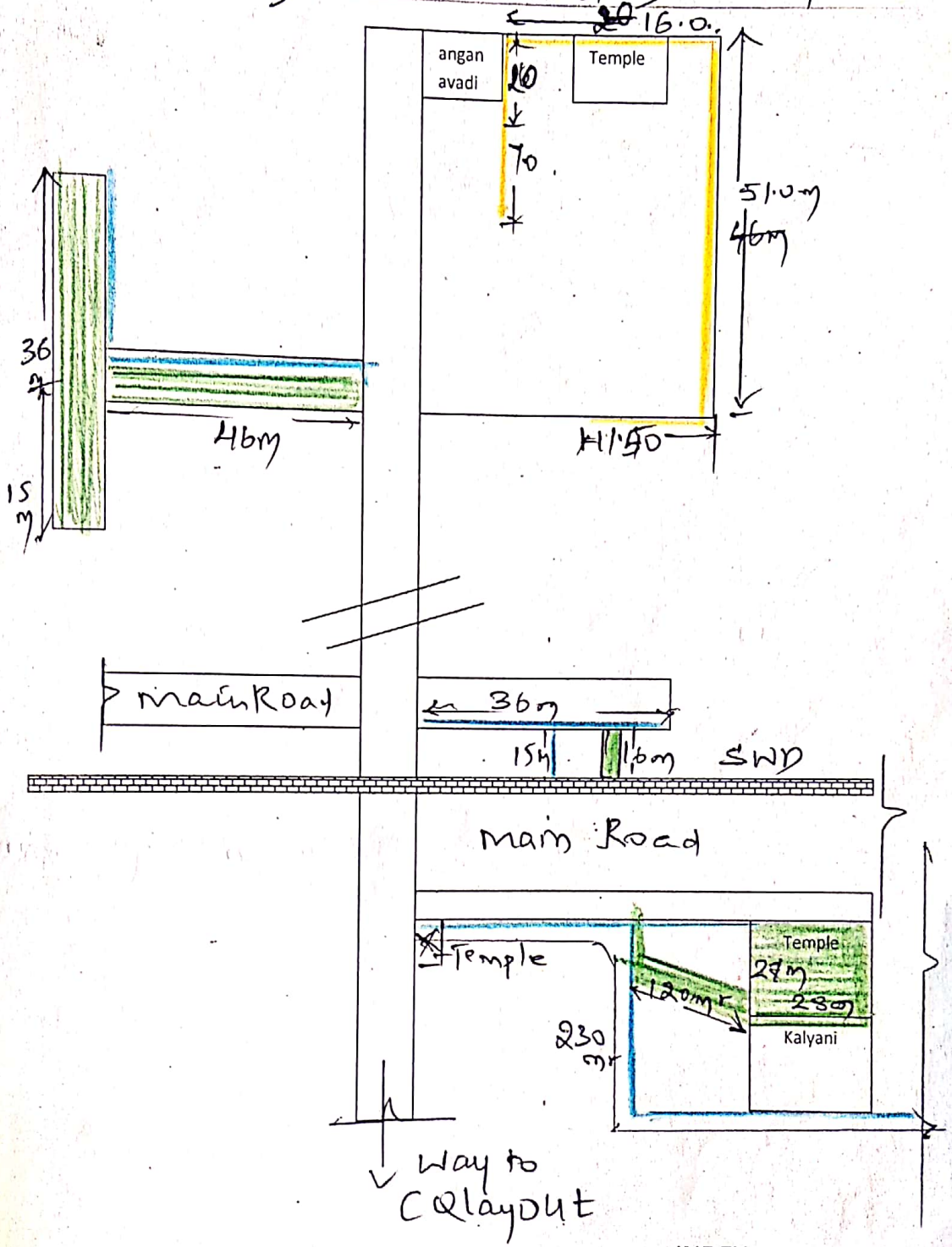
NAME OF WORK:

Name of work:- Construction to Roads & drain @ Attur village & surrounding area in WNo 3



INDEX:

Proposed Rcc drain

CC Road

A.E.E.

ಸಹಾಯಕ ಕಾರ್ಯ ಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪವಿಭಾಗ ಬೆಂಗಳೂರು.
ಬ.ಬ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು

A.E. Ramareegowda

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